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TECHNICAL NOTES

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U.S. DEPARTMENT OF AGRICULTURE

LAKE STATES FOREST EXPERIMENT STATION U.S. DEPARTMENT OF AGRICULTURE FOREST SERVICE

No. 588

Lake States Pulpwood Production Exceeds 3 Million Cords, 1959

Predictions have been made that the annual cut of pulpwood in the Lake States region would some day exceed 3 million cords. The breakthrough finally occurred in 1959 when approximately 3,019,000 cords of pulpwood were cut in the region (see table reverse side). The harvest was 15 percent larger than the previous year and about twice as much as that produced 10 years ago.

Each of the three Lake States showed an increase in production over the previous year. Michigan, for the first time in many years, was the region's leading pulpwood producing state, a place long held by Minnesota. The expansion of pulping capacity, especially in Michigan, and the use of larger proportions of local wood in Wisconsin were the factors largely responsible for bringing about the increase in production.

The 1959 cut of pine, aspen, white birch, and miscellaneous dense hardwoods was higher than in 1958. Pine, in particular, was cut more heavily for pulpwood than ever before. Plant residues found wider acceptance for use; most of it (chips) is shipped to Central States fiber mills, but four Lake States plants also use varying amounts.

Total 1959 pulpwood receipts at Lake States mills were nearly 3,400,000 cords, an increase of 9 percent from the previous year. Michigan receipts were up 27 percent, Minnesota 16 percent, and Wisconsin 1 percent. Local operators supplied about 88 percent of the pulpwood, Canada 10 percent, and western states 2 percent (see following table). Canadian imports were the lowest since the 1930's, dropping more than 30 percent in Wisconsin from the previous year.

Geographic origin and destination of pulpwood received
by Lake States mills, 1959

Species	Percent of pulpwood originating from:					Percent of pulpwood received by:		
	Minn.	Wis.	Mich.	Canada	Other: U. S.	Minn. mills	Wis. mills	Mich. mills
	:	:	:	:	:	:	:	:
Aspen	28	32	38	2	-	30	46	24
Balsam fir	41	17	35	7	-	22	55	23
Birch	3	84	13	-	-	2	98	-
Hemlock	-	55	45	-	-	-	99	1
Pine	32	25	26	9	8	26	58	16
Spruce	38	4	14	42	2	23	61	16
Tamarack	53	33	14	-	-	16	84	-
Misc. hardwoods	<u>1/5</u>	<u>2/61</u>	<u>2/34</u>	-	-	5	64	31
All species	29	28	31	10	2	24	55	21
Previous year (1958)	29	26	29	14	2	22	60	18

1/ Balsam poplar (balm-of-Gilead).
2/ Mostly dense hardwoods.

A. G. HORN,
Research Forester

JULY 1960

(Over)

1959 production and imports of pulpwood, Lake States

(In standard cords, unpeeled)

Species and destination	Production by states ^{1/}				Imports			Total receipts
	Minnesota	Wisconsin	Michigan	Region	Other U. S. ^{2/}	Canada	Total imports	
Aspen								
Minn.	369,590	18,987	-	388,577	-	16,042	16,042	404,619
Wis.	11,712	409,094	197,959	618,765	-	-	-	618,765
Mich.	-	2,650	324,958	327,608	-	8,133	8,133	335,741
Total	381,302	430,731	522,917	1,334,950	-	24,175	24,175	1,359,125
Balsam fir								
Minn.	69,088	-	-	69,088	-	108	108	69,196
Wis.	52,615	52,063	63,704	168,382	-	320	320	168,702
Mich.	1,461	-	45,792	47,253	-	23,096	23,096	70,349
Exported ^{3/}	6,843	-	-	6,843	-	-	-	-
Total	130,007	52,063	109,496	291,566	-	23,524	23,524	308,247
Birch, white								
Minn.	692	-	-	692	-	-	-	692
Wis.	254	26,117	3,909	30,280	-	-	-	30,280
Mich.	-	-	-	-	-	-	-	-
Total	946	26,117	3,909	30,972	-	-	-	30,972
Hemlock								
Minn.	-	-	-	-	-	-	-	-
Wis.	-	48,766	38,626	87,392	-	-	-	87,392
Mich.	-	-	532	532	-	-	-	532
Total	-	48,766	39,158	87,924	-	-	-	87,924
Pine								
Minn.	148,103	2,454	-	150,557	-	44,320	44,320	194,877
Wis.	91,231	184,153	80,113	355,497	56,051	24,487	80,538	436,035
Mich.	-	-	116,591	116,591	-	-	-	116,591
Exported ^{3/}	91	-	-	91	-	-	-	-
Total	239,425	186,607	196,704	622,736	56,051	68,807	124,858	747,503
Spruce								
Minn.	118,465	-	-	118,465	-	9,537	9,537	128,002
Wis.	87,327	20,697	49,325	157,349	10,377	177,151	187,528	344,877
Mich.	5,725	-	33,658	39,383	-	54,472	54,472	93,855
Exported ^{3/}	8,190	-	-	8,190	-	-	-	-
Total	219,707	20,697	82,983	323,387	10,377	241,160	251,537	566,734
Tamarack								
Minn.	3,156	-	-	3,156	-	-	-	3,156
Wis.	7,576	6,680	2,751	17,007	-	-	-	17,007
Mich.	-	-	-	-	-	-	-	-
Total	10,732	6,680	2,751	20,163	-	-	-	20,163
Misc. dense hdwds.								
Minn. ^{4/}	12,346	-	-	12,346	-	-	-	12,346
Wis. ^{4/}	-	155,587	9,707	165,294	-	-	-	165,294
Mich. ^{4/}	-	-	80,759	80,759	-	-	-	80,759
Exported ^{3/}	-	3,136	-	3,136	-	-	-	-
Total	12,346	158,723	90,456	261,535	-	-	-	258,399
Plant residues								
Minn.	-	-	-	-	-	-	-	-
Wis.	-	11,571	1,193	12,764	-	-	-	12,764
Mich.	-	-	905	905	-	-	-	905
Exported ^{3/}	-	30,054	2,466	32,520	-	-	-	-
Total	-	41,625	4,564	46,189	-	-	-	13,669
All species								
Minn.	721,440	21,441	-	742,881	-	70,007	70,007	812,888
Wis.	250,715	914,728	447,287	1,612,730	66,428	201,958	268,386	1,881,116
Mich.	7,186	2,650	603,195	613,031	-	85,701	85,701	698,732
Exported ^{3/}	15,124	33,190	2,466	50,780	-	-	-	-
Total	994,465	972,009	1,052,948	3,019,422	66,428	357,666	424,094	3,392,736

1/ Vertical columns of figures under box heading "Production by states" present the volume cut in each state.

2/ Mostly western states.

3/ Pulpwood shipped to mills outside of region.

4/ Balsam poplar (balm-of-Gilead) in Minnesota; mostly dense hardwoods in other states.